

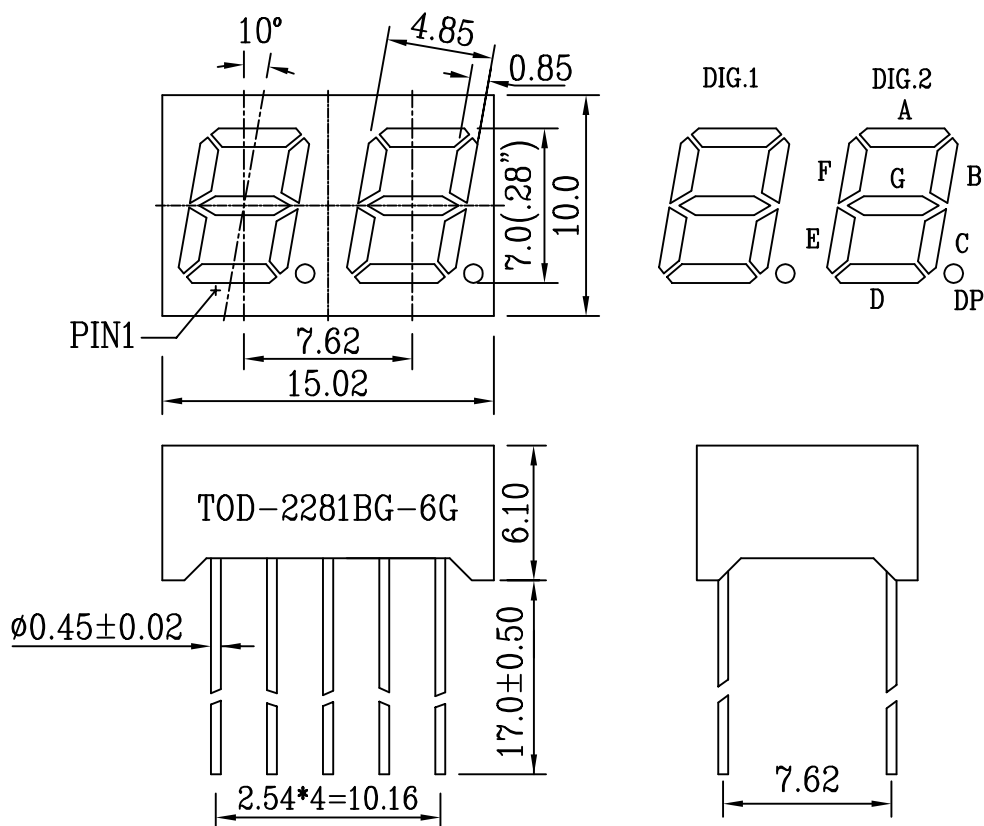


TAIWAN OASIS LED DATA SHEET

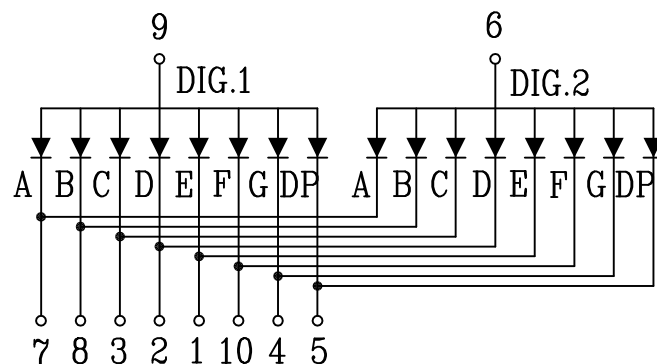
PART NO. : TOD-2281BG-6G

APPEARANCE			TECHNOLOGY	GaP
FACE	SEGMENT	PIN	SOURCE COLOR	Green
Gray	Green	ø0.45x21.0	DRIVER MODE	Com. Anode
			PACKING	"UL" Plastic box

PACKAGE DIMENSIONS



INTERNAL CIRCUIT DIAGRAM



DATE	08/10/06'	SCALE	2:1	TOLERANCE	±0.25 ANGLE ±1°	DRAWN	L.D.Y	CHECKED	
UNIT	M/M	SHEET NO.	1/2	DRAWING NO.	S-2281BG-6G-A	CUSTOMER		APPROVED	



TAIWAN OASIS LED DATA SHEET

PART NO. : TOD-2281BG-6G

ABSOLUTE MAXIMUM RATINGS AT TA=25°C

PARAMETER	VALUE	UNITS
Power Dissipation Per Segment	50	mW
Peak Forward Current Per Segment (1/10 Duty Cycle, 0.1ms Pulse Width)	60	mA
Continuous Forward Current Per Segment	15	mA
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-25 to +85	°C
Storage Temperature Range	-30 to +85	°C
Junction Temperature	+85	°C
Storage Time at 25±2°C / 65%RH±5%RH	6	Month
Lead Solder Temperature(1/16 Inch Below Seating Plane)	260°C for 3 sec.	

ELECTRICAL/OPTICAL CHARACTERISTICS AT TA=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNITS	TEST CONDITION	GRADE
Luminous Intensity Per Segment	I _v	1786	2143	2500	μcd	I _F =10mA	F
Luminous Intensity Per Segment	I _v	2501	3000	3500	μcd	I _F =10mA	G
Luminous Intensity Per Segment	I _v	3501	4113	4725	μcd	I _F =10mA	H
Peak Emission Wavelength	λ _p		570		nm	I _F =20mA	
Spectral Line Half-Width	Δλ		30		nm	I _F =20mA	
Forward Voltage Per Segment	V _F	1.9	2.2	2.5	V	I _F =20mA	
Reverse Current Per Segment	I _R			20	μA	V _R =5V	
Luminous Intensity Matching Rate	I _v -m			1.5:1		I _F =20mA	
Recommend Operting Current	I _s	9			mA		

DATE	08/10/06'	SCALE	2:1	TOLERANCE	±0.25 ANGLE ±1°	DRAWN	L.D.Y	CHECKED	
UNIT	M/M	SHEET NO.	2/2	DRAWING NO.	S-2281BG-6G-A	CUSTOMER		APPROVED	